

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
6 October 2005 (06.10.2005)

PCT

(10) International Publication Number
WO 2005/092162 A1

(51) International Patent Classification⁷: **A47J 31/40**

(74) Agent: **MODIANO, Guido**; Modiano & Associati, Via Meravigli, 16, I-20123 Milano (IT).

(21) International Application Number:
PCT/EP2005/002919

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date: 18 March 2005 (18.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
04007297.7 26 March 2004 (26.03.2004) EP

(71) Applicant (for all designated States except US): **ILLY-CAFFE' S.P.A.** [IT/IT]; Via Flavia, 110, I-34147 Trieste (IT).

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

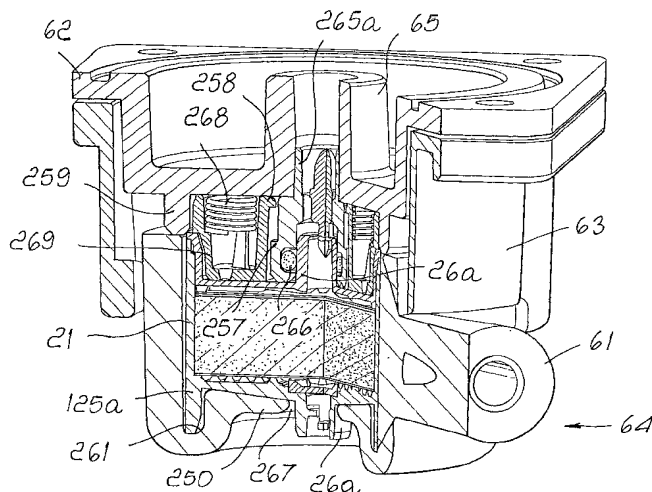
(72) Inventors; and

(75) Inventors/Applicants (for US only): **SUGGI LIVERANI, Furio** [IT/IT]; Via G. Picciola, 4, I-34123 Trieste (IT). **MASTROPASQUA, Luca** [IT/IT]; Salita dei Montanelli, 3, I-34123 Trieste (IT). **VAN EEDEN, Frans** [NL/IT]; Via G. Meda, 11, I-20136 Milano (IT). **DELLAPIETRA, Bruno** [IT/IT]; Via Sistiana, 104, I-34013 Duino Aurisina (IT).

Published:
— with international search report

[Continued on next page]

(54) Title: BEVERAGE EXTRACTION ASSEMBLY FOR EXTRACTING A BEVERAGE FROM A PARTICULATE SUBSTANCE CONTAINED IN A CARTRIDGE



(57) Abstract: A beverage extraction assembly (60) for application to beverage extraction machines for extracting a beverage from a particulate substance contained in a cartridge, characterized in that it comprises: a support (62, 63) connectable to a water outlet of a beverage extraction machine; a cartridge holder (64) removably mounted on the support (62, 63) for holding a cartridge (21) containing a particulate substance, the cartridge (21) comprising at least a first cartridge port (26b) protruding outwardly from its upper surface for receiving water under pressure; the support (62, 63) comprising a water inlet port (65) connectable to the water outlet, for delivering the water to the first cartridge port (26b), the cartridge holder (64) comprising a bottom aperture (267) for providing an escape for the extracted beverage; the water inlet port (65) of the support (62, 63) comprising means (266) for providing a radial fluid-tight seal between the water inlet port (65) and the first cartridge port (26b).

WO 2005/092162 A1



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.